



U. S. Department of Agriculture - Forest Service
CENTRAL STATES FOREST EXPERIMENT STATION
 Columbus, Ohio

Station Note
 No. 10

April 12, 1934

A BLACK LOCUST VOLUME TABLE
FOR CONTENTS IN BOARD FEET

Plantation BLACK LOCUST
 (Robinia pseudoacacia, Linn)
 Central Hardwood Region

L. F. Kellogg

1934

Scribner Rule
 8" Top D.I.B.

Diameter		Total Height in Feet						Basis: No. of Trees
Breast	High	40	50	60	70	80	90	
(o.b.)	(i.b.)	Volume in Board Feet						
Inches								
10	8.4	10	10	10	10	10	10	5
11	9.3	18	19	21	25	32	42	22
12	10.2	35	38	42	48	57	71	18
13	11.0	52	55	59	66	79	97	8
14	11.9		73	79	88	103	126	6
15	12.8			97	107	126	155	5
16	13.6			117	130	153	189	4
17	14.5			139	155	181	225	5
18	15.4			160	176	209	260	4
19	16.2			179	200	237	285	4
20	17.1			200	223	262	325	---
Basis:								
No. of trees		1	9	9	29	21	12	81

Trees measured by the Central States Forest Experiment Station in Indiana, Illinois and Ohio. Stump height 1.0 ft. Top diameter inside bark 8.0". Scaled as 12-ft. log lengths with trimming allowance of 0.3 ft. Additional top sections scaled as fractions of a 12-ft-8.0" log. Aggregate deviation: Chart is 0.36% low. Average percentage deviation on 74 trees, 12.0%. Block indicates extent of basic data. Prepared by the alinement chart method.

This is the third of several volume tables for plantation black locust. As other tables are completed, they will be issued immediately in this form in order to avoid delay in making them available for use.